CSIR has released process/technical know how for production of various other insecticides/ fungicides. Details of the more important among these are—

Product (Uses)	Laboratory	Details
Monochrotophs (insecticide)	Indian Instt. of Chemical Technology, Hyderabad	Licensed to 8 parties.
Quinolphos (insecticide)	Indian Instt. of Chemical Technlogy, Hyderabad/ Regional Research Laboratory, Jorhat	Licensed to 3 parties.
Chloropyriphos insecticide	Indian Instt. of Chemical technology, Hyderabad	Licensed to 5 parties
Diazinon (insecticide)	Indian Instt. of Chemical Technology, Hyderabad	Licensed to 2 parties.
Dimethoate (insecticide)	National Chemical Laboratory, Pune	Licensed to 4 parties.
Phosphomidon (insecticide)	Regional Research Laboratory, Jorhat	Licensed to 3 parties.
Carbendazin (Fungicide)	Indian Instt. of Chemical Technology, Hyderabad	Licensed to 1 party.
Carboxin (Fungicide)	National Chemical Laboratory, Pune	Licensed to 3 parties.
Methyl Benzimidazole Carbomate (MBC) (Fungicide)	Indian Instt. of Chemical Technology, Hyderabad	Licensed to 1 party.

(b) National Chemical Laboratory (NCL), Pune has developed a controlled release (CR) formulation of mosquito larvicide called 'ABATE". The formulation has been developed at laboratory scale under a UNDP sponsored project. The Controlled release characteristic of ABATE makes it more effective than normal formulations. It has been field tested and its effect has been found to last for a period of four months.

(c) CSIR licenses its processes/know-how only after it has been adequately developed for commercialisation. Unencumbered knowhow are normally licensed on a non-exclusive basis against a fee. In order to ensure successful commercialisation of its knowhow CSIR specifies certain minimum qualifications required of the licensee such as desired technical background, market knowledge/ experience in the specified field etc.

Post-graduate and Post-doctoral Programme for manpower in biotechnology

3298. SHRI SURESH PACHOURI: Will the PRIME MINISTER be pleased to state:

(a) whether it is a fact that the Department of Biotechnology is funding Post-Graduate and Post-Doctoral Programmes for Manpower in Bio-technology;

(b) if so, the States and Institutions selected for the purpose;

(c) what is the institutions-wise, and year-wise, amount so far sanctioned and provided by Government including UGC, CSIR, Department of Science and Technology etc. for the above mentioned programmes/courses;

(d) the number of students who have been admitted and of those who have successfully completed or are presently

undergoing/courses/programmes and how many of them belong to Madhya Pradesh;

(e) whether Government propose to start such course/programme in any of the Universities/Colleges of Madhya Pradesh; and

(f) if so, by when?

THE MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES AND PENSIONS (SHRIMATI MARGARET ALVA): (a) Yes, Sir.

(b) Names of the institutions selected for the purpose of such programmes/courses alongwith the States where they are located are given in the annexed statement (*See* below)

The institution-wise and year-wise amount sanctioned so far by Department of Biotechnology and University Grants Commission for these programmes is given in the Annexure (*See* Appendix CLIX, Annexure No. 76) As regards Department of Science and Technology and Council of Scientific and Industrial Research, no direct funding for these programmes is provided by them. Department of Ocean Development has provided Rs. 1.00 lakh for M.Sc. Marine Biotechnology at Goa University.

(d) 893 students have been admitted in the programmes upto year 1991-92. About 631 students have completed the programme. As regards the number of of students undergoing the programme, 262 are undergoing the programme in 18 institutions. Of them, 9 belong to the State of Madhya Pradesh on the basis of information available. The students for these programmes are selected on the basis of All-India Entrance Test.

(e) and (f) Department of Biotechnology has already sponsered M.Sc. Programme in Biotechnology at Devi Ahilya Vishwa Vidyalaya, Indore in Madhya Pradesh in the year 1990-91. A proposal received from Barkatullah University, Bhopal to establish an Institute of Biotechnology is being examined by the Department of Biotechnology and the University Grants Commission.

Statement

State-wise distribution of Institutes/Universities conducting Pest-Graduate and Post-Doctoral teaching programme in Biotechnology

S. No.	Name of the University/Institute & Course	State/U.T.
1	2	3
1	M. S. University of Baroda (M.Sc. Biotechnology)	Gurarat
2	Banaras Hindu University, Varanasi (M.Sc. Biotechnology)	U.P.
3	Aligarh Muslim University, Aligarh (M.Sc. Biotechnology)	U.P.
4	University of Roorkee, Roorkee (M.Sc. Biotechnology)	U.P.
5	G.B. Pant University of Agriculture & Technology ,Pant Nagar (M.Sc. in Melecular Biology and Biotech.)	U.P.
6	Indian Veternary Research Institiute, Izatnagar (Master in Veterinary Biotechnology)	U.P.
7	Jadavpur University, Calcutta (M. Tech. Biotechnology)	West Bengal
8	Bose Institute, Calcutta (Post-doctoral teaching programme)	West Bengal
9	Indian Institute of Technology, Khargpur (M. Tech. in Biotechnology)	West Bengal

1	2	3
10	Indian Institute of Technology, Delhi (M. Tech. in Biochemical Engineering & Biotechnology)	Delhi
11	Jawaharlal Nehru University, Delhi (M.Sc. Biotechnology) . .	Delhi
12	All-India Institute of Medical Sciences, Delhi (Master's in Medical Biotechnology)	Delhi
13	Indian Agricultural Research Institute, New Delhi. (M.Sc. in Melecular Biology and Biotechnology)	Delhi
14	Indian Institute of Technology, Bombay (M.Sc. Biotechnology) .	Maharashtra
15	Poona University, Pune (M.Sc. Biotechnology)	Maharashtra
16	Tamil Nadu Agricultural University, Coimbatore (M.Sc. in Agricultural Biotechnology)	Tamil Nad
17	Madurai Kamaraj University, Madurai (M.Sc. Biotechnology) .	Tamil Nadu
18	Anna University, Madras (M. Tech. Biotechnology) . . .	Tamil Nadu
19	Centre for Cellular and Melecular Biology, Hyderabad (Post-doctoral teaching programme)	Andhra Pradesh
20	University of Hyderabad Hyderabad (M.Sc. Biotechnology) .	Andhra Pradesh;
21	Assam Agricultural University, Jorhat (M.Sc. in Agricultural Biotechnology)	Assam
22	Goa University, Goa (M. Sc. Marine Biotechnology) . .	Goa, Daman & Diu
23	Guru Nanak Dev University, Amritsar (M.Sc. Biotechnology) .	Punjab
24	Devi Ahilya Vishwavidyalaya, Indore (M.Sc. Biotechnology) .	Madhya Pradesh
25	Indian Institute of Science, Bangalore (Post-doctoral Research Training Programme in Biotechnology & Life Science . .	Karnataka

Representatives of SC/ST and Minority Community in selection Board/Committees

3299. MAULANA OBAIDULLAH KHAN AZMI: Will the PRIME MINISTER be pleased to state:

(a) whether instructions issued in August, 1990 for inclusion of representatives of SC/ST and Minorities in the Selection Committees/Boards have been implemented in the Department of Space;

(b) if so, what are the details of the bodies and organisations of the Department where the instructions have been implemented;

(c) what are the names of the bodies which have not implemented the instructions so far and the reasons therefor; and

(d) what steps are being taken by Government in this regard?

676 RS—11

THE MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES AND PENSIONS (SHRIMATI MARGARET ALVA): (a) and (b) Yes, Sir. The instructions of Government of India for inclusion of representatives of SC/ST and Minorities in the Selection Committees/Boards are followed in the establishments of Deparment of Space (DOS)/Indian Space Research Organisation (ISRO).

(c) and (d) Do not arise.

Achievements and Failures of Space Research

3300. SHRI TINDIVANAM G. VENKATRAMAN: Will the PRIME MINISTER be pleased to state:

(a) the total amount spent on space research right from its inception;